

Converting Colors

CIELCh(81, 83.660, 83.727)

Have a look what the booklet for
CIELCh(81, 83.660, 83.727) contains.

CIELCh(81, 83.448, 83.799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 83.448, 83.799)

Conversions

Conversions Part 1

Format	Color
Hex	FDC000
RGB	253, 192, 0
RGB Percent	99%, 75%, 0%
CMY	0.0086, 0.2477, 1.0000
CMYK	0.00, 0.24, 1.00, 0.01
HSL	46°, 100%, 50%
HSV	46°, 100%, 99%
XYZ	59.2475, 58.4711, 8.1483
YIQ	188.3510, 97.9880, -46.7800

Conversions

Conversions Part 2

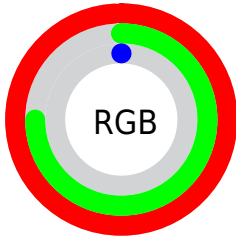
Format	Color
R _Y B	80, 253, 0
Decimal	16629760
CIE Lab	81.00, 9.01, 82.96
CIE LCh	81, 83.448, 83.799
Yxy	58.4711, 0.4707, 0.4645
Android (android.graphics.Color)	4294819840 (0xFFFD C000)
YUV	188.3510, -92.8570, 56.6972
Hunter-Lab	76.4664, 4.4886, 47.2085

Details

The CIELCh color **81, 83.448, 83.799** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **39, 112.825, 301.519**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.549, 101.984**, and **61, 67.027, 81.311** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.398, 83.795**, and if you desaturate by 10%, it is **83, 81.216, 85.680**.

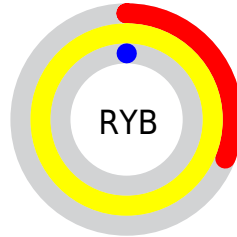
Distribution



Red (99%)

Green (75%)

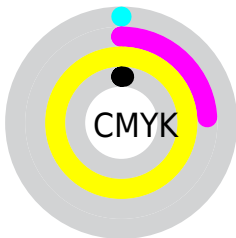
Blue (0%)



Red (31%)

Yellow (99%)

Blue (0%)

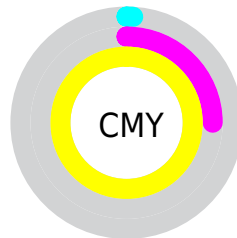


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (25%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 83.448, 83.799 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 81, 83.448, 83.799 by changing the saturation by 10% instead.

 81, 83.448, 83.799

 81, 83.448, 83.799

 100, 83.448,
83.799

 71, 83.448, 83.799

 61, 83.448, 83.799

 51, 83.448, 83.799

 41, 83.448, 83.799

 31, 83.448, 83.799

 21, 83.448, 83.799

 11, 83.448, 83.799

 1, 83.448, 83.799

 0, 83.448, 83.799

■ 81, 83.448, 83.799

■ 81, 83.448, 83.799

■ 81, 83.398, 83.795

■ 83, 81.216, 85.680

■ 84, 76.303, 87.322

■ 86, 69.008, 88.800

■ 87, 60.198, 90.194

■ 89, 50.552, 91.542

■ 91, 40.506, 92.859

■ 93, 30.316, 94.148

■ 95, 20.123, 95.403

■ 97, 10.001, 96.615

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81, 83.448, 83.799



39, 112.825, 301.519

Rectangle

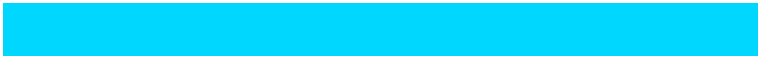
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 83.448, 83.799



81, 83.448, 133.799



81, 83.448, 263.799



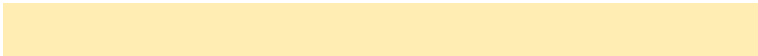
81, 83.448, 313.799

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81, 83.398, 83.795



94, 30.530, 94.146



53, 90.267, 26.672



49, 20.854, 93.606



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 83.398, 83.795



82, 83.944, 83.785



92, 100.215, 117.623



52, 5.724, 96.673



63, 67.706, 84.166



21, 29.620, 86.559

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 112.825, 301.519



39, 113.614, 301.532



34, 130.323, 307.585



50, 5.773, 279.024



29, 90.048, 301.031



7, 36.029, 296.230

Previews

White Background



This preview shows how the CIELCh color 81, 83.448, 83.799 looks on a white background.

Color Contrast Check

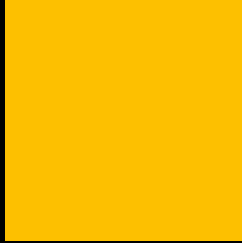
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 81, 83.448, 83.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 83.448, 83.799

Background



This preview shows how black text looks on a background with the CIELCh color 81, 83.448, 83.799.



This preview shows how white text looks on a background with the CIELCh color 81, 83.448, 83.799.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81, 83.448, 83.799

Protanopia

81, 80.872, 95.109

Deuteranopia

81, 82.924, 82.761



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 83.448, 83.799

Protanomaly
81, 81.282, 90.932

Deuteranomaly
81, 83.034, 83.083

Tritanomaly
81, 44.990, 66.989

Monochromacy



Original Color
81, 83.448, 83.799

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 37.813, 91.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 83.448, 83.799 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(253, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 192, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(253, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 192, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 83.448, 83.799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 192, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(253, 192, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(253, 192, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 192,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 83.448, 83.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 192, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(253,  
192, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor